

AMENDMENTS TO CLAIMS

Claims 35, 37, 51, 53, 54, 56, 69, 76, 84-87, 94 and 99-118 are currently being canceled without prejudice or disclaimer of the inventions therein; claims 34, 40, 52, 55, 59-68, 70-72 and 88 are currently being amended; and new claim 119 is being added. All pending claims are reproduced below, including those that remain unchanged. The pending claims are claims 34, 36, 38-40, 42-47, 52, 55, 59-68, 70-72, 74-75, 77, 79-82, 88-93 and 119, with claims 34, 40, 59, 66, 88 and 119 being independent.

34. (Currently Amended) An air conditioner system comprising:

an upstanding, elongated housing having an air inlet vent, ~~and an air outlet vent, and a top surface that includes an opening through which a user liftable handle is viewable and accessible;~~
and

an ion generating unit positioned in said housing; and

wherein said ion generating unit includes a first ion emitter electrode and a second particle collector electrode, ~~and~~

wherein said second particle collector electrode is a ~~hollow electrode that is vertically removable from the housing, using said user liftable handle, through an the opening in an upper portion of said housing~~ to thereby allow an exposed surface of said second electrode to be cleaned, and is ~~vertically~~ returnable to the housing through the opening ~~in the upper portion of said housing such that gravity will assist with return of the second electrode, and~~

wherein said user liftable handle covers said opening when said second particle collector electrode is in its operational position within said housing.

35. (Canceled)

36. (Previously Presented) The system of claim 34 wherein said first electrode is a wire.

37. (Canceled)

38. (Previously Presented) The system of claim 34 wherein said second collector electrode includes a plurality of elongated fins extending along the elongated housing.

39. (Previously Presented) The system of claim 34 wherein said ion generating unit includes a high voltage pulse generator.

40. (Currently Amended) An air conditioner system comprising:

an upstanding, elongated housing having an air inlet vent, ~~and~~ an air outlet vent, and an opening through a top surface of said housing; and

an ion generating unit positioned in said housing; ~~and~~

wherein said ion generating unit includes a first ion emitter electrode that is wire shaped, and a second particle collector electrode that is ~~a hollow U-shaped electrode~~ connected to a user liftable handle;

wherein said user liftable handle is accessible to a user without requiring the user touch any portion of the air conditioner system other than said handle;

wherein said first wire shaped ion emitter electrode is located adjacent to the air inlet vent; and

wherein said second ~~hollow U-shaped~~ collector electrode is ~~vertically~~ removable from the housing, using said user liftable handle, through ~~an~~ said opening in ~~an~~ said ~~upper portion top~~ surface of said housing to thereby allow an exposed surface of said second electrode to be cleaned, and is ~~vertically~~ returnable to the housing through the opening in the ~~upper portion top~~ surface of the housing ~~such that gravity will assist with return of the second electrode.~~

41. (Canceled)

42. (Previously Presented) The system of claim 34 wherein said air inlet vent is covered with horizontal louvers and said air outlet vent is covered with horizontal louvers.

43. (Previously Presented) The system of claim 40 wherein said air inlet vent is covered with horizontal louvers and said air outlet vent is covered with horizontal louvers.

44. (Previously Presented) The system of claim 40 wherein said second collector electrode has a plurality of elongated fins extending along the elongated housing.

45. (Previously Presented) The system of claim 34 wherein said second collector electrode includes a plurality of hollow electrodes.

46. (Previously Presented) The system of claim 34 wherein said second collector electrode includes a plurality of hollow U-shaped electrodes.

47. (Previously Presented) The system of claim 40 wherein said second collector electrode includes a plurality of hollow U-shaped electrodes.

48. - 51. (Canceled)

52. (Currently Amended) The system of claim 34 including a user control, ~~and wherein said housing has a top portion and said user control is located on said~~ first portion of said top surface.

53. - 54. (Canceled)

55. (Currently Amended) The system of claim 40 including a user control, ~~and wherein said housing has a top portion and said user control is located on said top~~ surface.

56. - 58. (Canceled)

59. (Currently Amended) An air conditioner system comprising:
an upstanding, elongated housing having a top including an opening through which a user liftable handle is viewable and accessible; and
an ion generating unit positioned in said housing, said ion generating unit having a first electrode and a second ~~hollow~~ removable electrode, wherein said second removable electrode is removable through said top of said housing and returnable through said top of said housing ~~such that gravity will assist with return of the second electrode~~ using said user liftable handle, without requiring any portion of said housing other than said handle be removed or opened.

60. (Currently Amended) The system of claim ~~35~~ 59 including a user control located on said top of said housing.

61. (Currently Amended) The system of claim ~~35~~ 59 including an air inlet vent and an air outlet vent, with the first electrode located adjacent the air inlet vent and the second removable electrode located adjacent the air outlet vent.

62. (Currently Amended) The system of ~~35~~ 59 wherein a said user-liftable handle is attached to the second removable electrode ~~and said user-liftable handle extends from the top of said housing.~~

63. (Currently Amended) The system of claim ~~35~~ 59 wherein said second removable electrode is elongated along a direction of said elongated housing.

64. (Currently Amended) The system of claim ~~35~~ 59 wherein said second removable electrode is elongated and about the same length as said elongated housing.

65. (Currently Amended) The system of claim ~~35~~ 59 wherein said second removable electrode is at least partially removable from the top of said housing for cleaning.

66. (Currently Amended) An air conditioner system comprising:

an upstanding, elongated housing having a top surface including a first portion and a user liftable handle, wherein said first portion includes an opening; and

an ion generating unit positioned in said housing, said ion generating unit having a first electrode and a second ~~hollow~~ removable electrode, wherein said second removable electrode is vertically removable from said housing, through said opening, for cleaning, and wherein said second electrode is ~~vertically~~ returnable to said housing ~~such that gravity will assist with return of the second electrode~~ through said opening; and

wherein said user liftable handle covers said opening when said second removable electrode is in its operational position within said housing.

67. (Currently Amended) The system of claim 42 66 including a user control located adjacent to said opening in said first portion of said top surface where said second removable electrode is removable from said housing.

68. (Currently Amended) The system of claim 42 66 including an air inlet vent and an air outlet vent, with the first electrode located adjacent the air inlet vent and the second removable electrode located adjacent the air outlet vent.

69. (Canceled)

70. (Currently Amended) The system of claim 42 66 wherein said second removable electrode is elongated along a direction of said elongated housing.

71. (Currently Amended) The system of claim 42 66 wherein said second removable electrode is elongated and about the same length as said elongated housing.

72. (Currently Amended) The system of claim 42 66 wherein said second removable electrode is at least partially removable from said housing for cleaning.

73. (Canceled)

74. (Previously Presented) The system of claim 34 wherein said inlet vent and said outlet vents are elongated along a length of said elongated housing.

75. (Previously Presented) The system of claim 40 wherein said inlet vent and said outlet vents are elongated along a length of said elongated housing.

76. (Canceled)

77. (Previously Presented) The system of claim 42 wherein said housing includes an air inlet vent and an air outlet vent and wherein said inlet vent and said outlet vents are elongated along a length of said elongated housing.

78. (Canceled)

79. (Previously Presented) The system of claim 34 wherein said air inlet vent and said air outlet vent have horizontal louvers.

80. (Previously Presented) The system of claim 40 wherein said air inlet vent and said air outlet vent have horizontal louvers.

81. (Previously Presented) The system of claim 59 wherein said housing includes an air inlet vent and an air outlet vent, and said air inlet vent and said air outlet vent have horizontal louvers.

82. (Previously Presented) The system of claim 66 wherein said housing includes an air inlet vent and an air outlet vent, and said air inlet vent and said air outlet vent have horizontal louvers.

83.-87. (Cancelled)

88. (Currently Amended) An air conditioner system comprising:
an upstanding, elongated housing with a top and an air inlet vent and an air outlet vent;
said air inlet vent is elongate along a direction of elongation of said housing;
said air outlet vent is elongate along the direction of elongation of said housing;
an ion generating unit positioned in said housing, said ion generating unit having a first emitter electrode and a second removable collector electrode;
said second removable collector electrode is elongated along the direction of elongation of said housing and is removable through an opening in the top of said housing, said second removable collector electrode further returnable through the opening in the top of said housing ~~such that gravity will assist with return of the second removable collector electrode;~~

a user-liftable handle secured to an upper portion of the second removable collector electrode, said user-liftable handle accessible near said opening in the top of said housing to provide a user with a way to lift said second removable collector electrode from said housing without directly touching said second removable collector electrode and without touching any other portion of the air conditioner system other than said user-liftable handle; and

a user operated control located on the top of said housing.

89. (Previously Presented) The system of claim 88 wherein said air inlet vent has a plurality of louvers that are directed across the direction of elongation of said housing; and

said air outlet vent has a plurality of louvers that are directed across the direction of elongation of said housing.

90. (Previously Presented) The system of claim 88 wherein said second removable collector electrode is hollow.

91. (Previously Presented) The system of claim 88 wherein said second removable collector electrode is U-shaped.

92. (Previously Presented) The system of claim 88 wherein said second removable collector electrode is located adjacent to the air outlet vent.

93. (Previously Presented) The system of claim 88 including a trailing electrode located between said second removable collector electrode and said air outlet vent.

94. - 118. (Canceled)

119. (New) An air conditioner system comprising:

an upstanding, elongated housing having an air inlet vent, an air outlet vent, and a top surface including an opening; and

an ion generating unit positioned in said housing;

wherein said ion generating unit includes a first ion emitter electrode and a removable second particle collector electrode that is connected to a user liftable handle;

wherein said user liftable handle extends through said opening in said top surface of said housing such that said user liftable handle it is viewable and accessible to a user when said second particle collector electrode is in its operational position within said housing; and

wherein said second particle collector electrode is revealed when said user liftable handle is lifted from said housing by a user, thereby enabling said second particle collector electrode to be cleaned.